KVM08KD

KVM Switch with
Keyboard Mouse Build In

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CHAPTER 1.

INTRODUCTION

The KVM08KD gives you the ultimate in control of 8 PCs from one keyboard, mouse and monitor. To expand control ability the DB-25 Daisy-Chain allows with extra 15 KVM08 stack up for control 128 PCs from one keyboard, mouse and monitor. OSD (On-Screen Display) menu provides human friendly interface for naming each PCs and selecting one of them.

Feature

- Allows a user to control eight computers from one keyboard, mouse and monitor
- Build keyboard and mouse for space saving.
- No software required, each channel contains a microprocessor emulation to intelligently manage the boot-up process for all your attached PCs boot-up transparently and simultaneously.
- On-Screen Display menu gives the user a visual interface to naming and selecting computers
- On-Screen Display, push button or keyboard "Hot Key" commands switching
- AutoScan mode for even more convenience
- Audible feedback when switching
- Recalls CAPS LOCK, NUM LOCK and SCROLL LOCK keys' status for each computer automatically
- Supports VGA, SVGA and MultiSync monitors
- Up to 1600 x 1200 resolution support
- Keyboard and mouse emulation for error-free boot ups
- User inexpensive and commonly found standard cables
- Status LEDs on front panel
- DB-25 Daisy-Chain ports allows control control over as many as 128 computer through one KVM08KD with 15 KVM-08 stack up.

1.1 SPECIFICATION

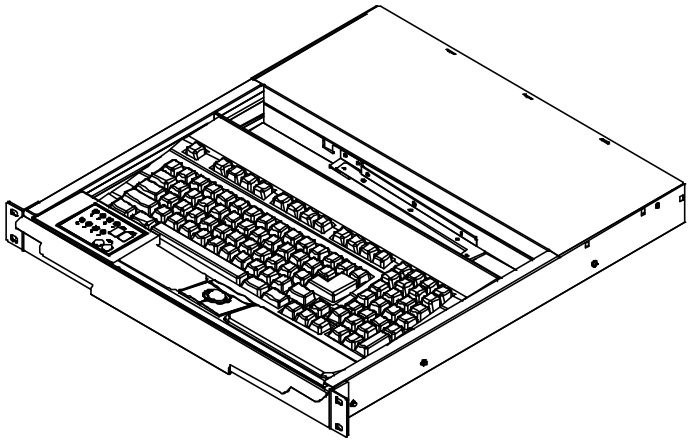
General

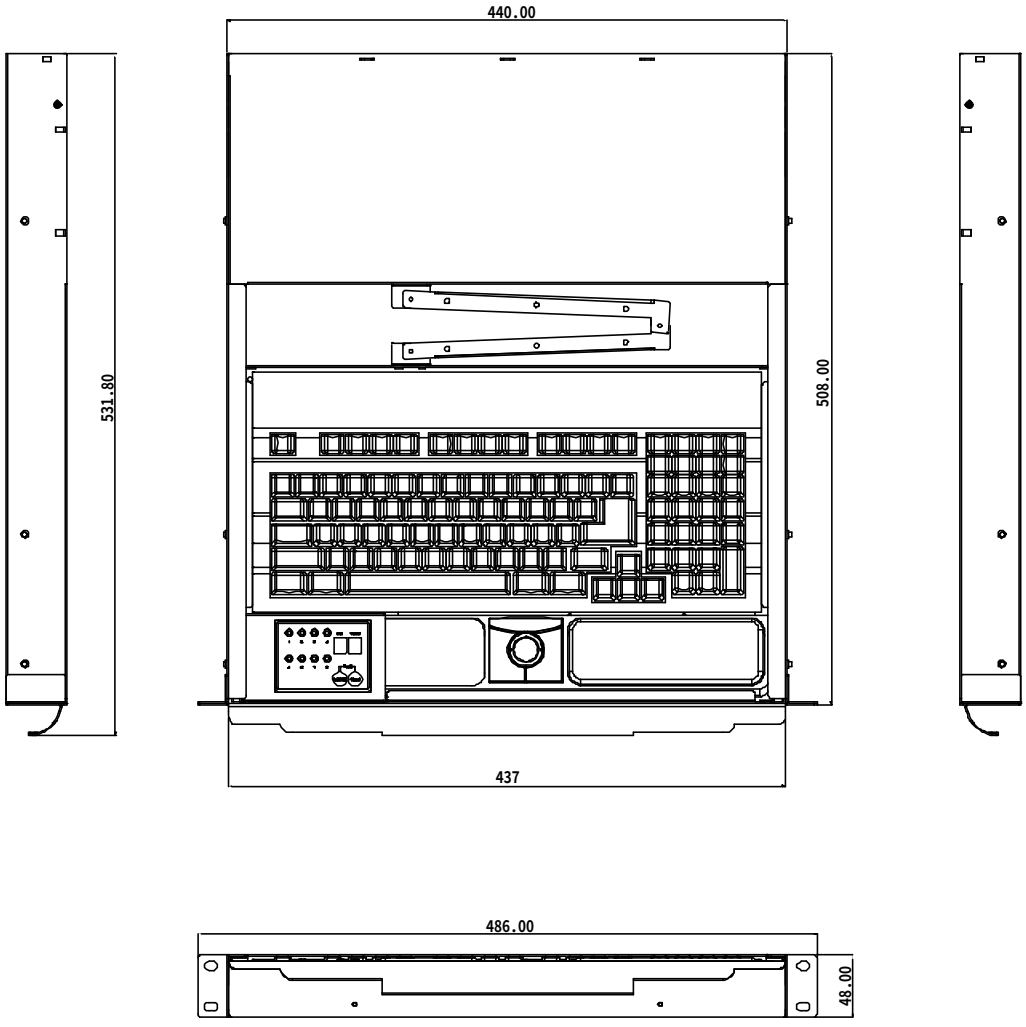
- 19” Rack Mount : 22” depth
- Keyboard / Mouse : 6-pin Mini-DIN
- Monitor : 15-pin HD DB type
- Computer Connections : 8
- Port LEDs : 8
- On Screen Display : Yes
- Hot Key : Yes
- Switching Confirmation : Buzzer
- Keyboard State : Saved and Restored
- Monitor Supports : VGA, SVGA, XGA, MultiSync
- Display Data Channel : DDC1, DDC2B, DDC2AB
- Resolution : 1600 x 1200
- Bandwidth : 180MHz
- Enclosure : Heavy-duty metal
- Storage (Celsius) : 0 ~ 60
- Dimension (H x W x D) : 48 x 440 x 508mm
- Weight (g) : 6500 (without rail)
- Power Adapter : 12V / 4A DC output

Keyboard & mouse

- Key : 83 keys+trackball

1.2 DIMENSION





1.3 PACKING CHECK LIST

Before you begin to install your KVM08KD, please make sure that you received the following materials as listed below:

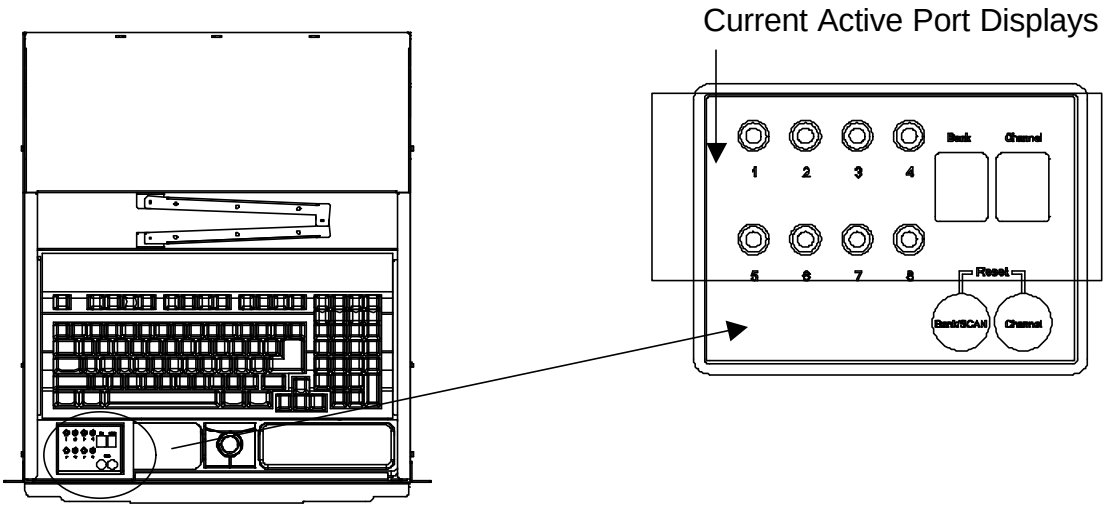
Item	*Qty*	*Remark*
KVM08KD	1 pcs.	KVM Switch with keyboard, mouse
Power adapter	1 pcs.	48W, universal AC input
Power cord	1 pcs.	AC inlet power cable
Mouse driver	1 pcs.	3.5” diskette
User’ s Manual	1 pcs.	This manual

CHAPTER 2.

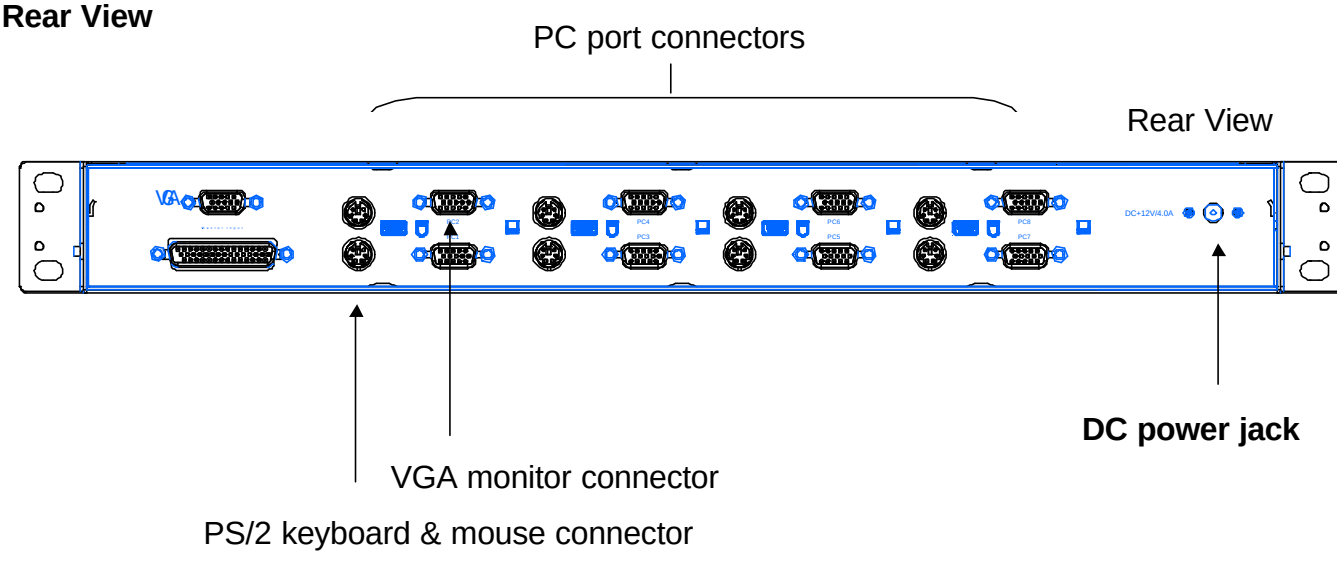
INSTALLATION

2.1 PRODUCT DETAIL

Top View



Rear View



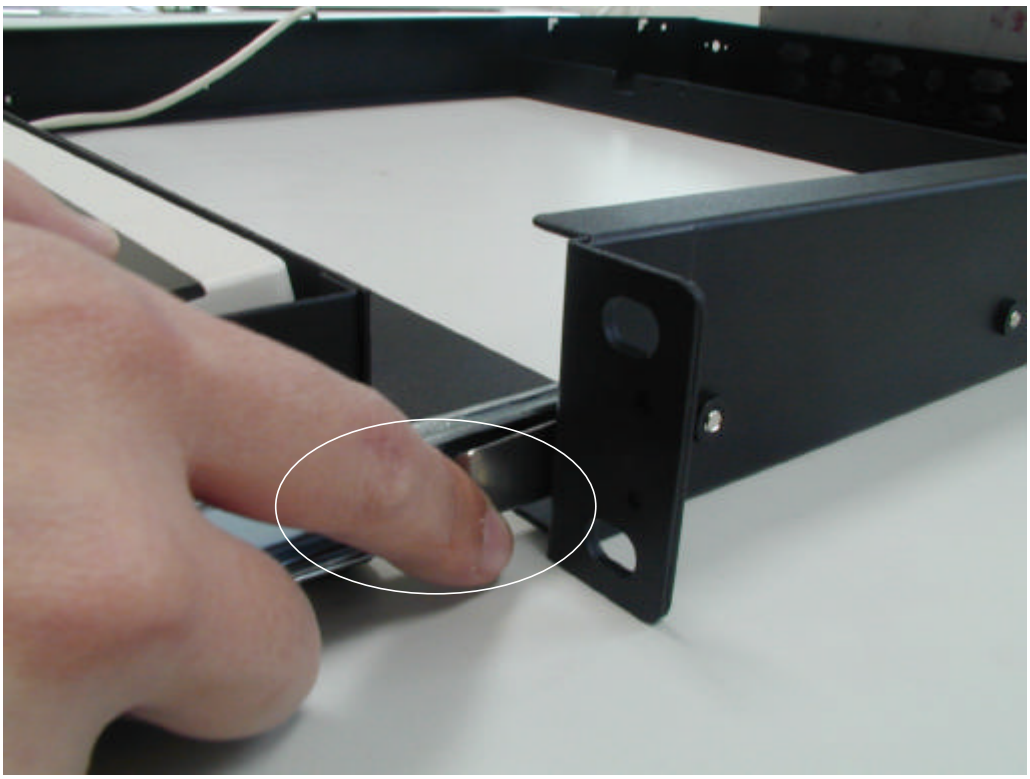
2.2 HARDWARE INSTALLATION

> ***WARNING!***
>
> Before attempting to connect anything to the KVM08KD or the computers, make sure everything is powered off. Otherwise, plugging and unplugging cables may cause irreversible damage to your computers and the KVM08KD.

Step 1

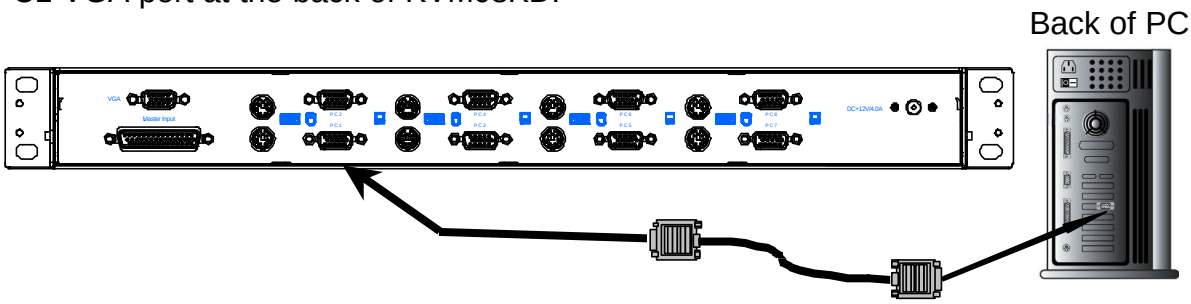
1. How to slide KVM08KD back to rack

   Press two sides in front part of sliders and push KVM08KD back at the same time. Illustrated as below:



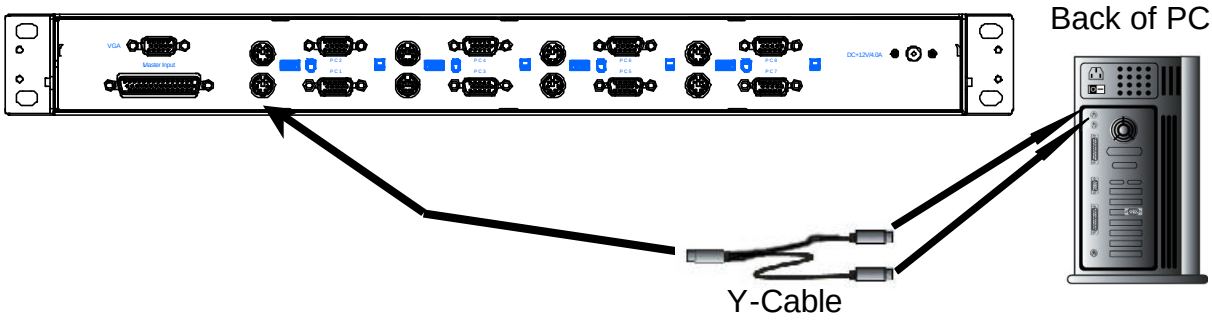
Step 2

Connect the first computer' s VGA cable to the KVM08KD. Using the VGA cable connect the male end of the cable to the VGA port on the computer, and the female end on the PC1 VGA port at the back of KVM08KD.



Step 3

Connect the first computer' s PS/2 mouse and PS/2 keyboard ports to the KVM08KD. Using Y-cable one female end markedith to connect PS/2 keyboard port, the other female end marked with to connect PS/2 mouse port on the computer, and the male end on the keyboard/mouse port at the back of KVM08KD.



Step 4

Double-check all of the connections. Make sure the keyboard/mouse, VGA, cables go to the correct ports.

Step 5

Repeat step 2 to 4 for the remainder of the computers.

Step 6

Attach the power supply to the power jack at the back of KVM08KD. Plug female end of power adapter into power jack, male end into available AC outlet. You should see the LED for channel 1 on the front panel blink, and hear a beep.

Step 7

You can now power up all your computers simultaneously. The first computer will show up on the monitor. Check to see if the keyboard, mouse and monitor work. If this is okay, press the "Select" button and check the functionality of the other computers. If you find any errors, double-check all of the cable connections.

NOTES:

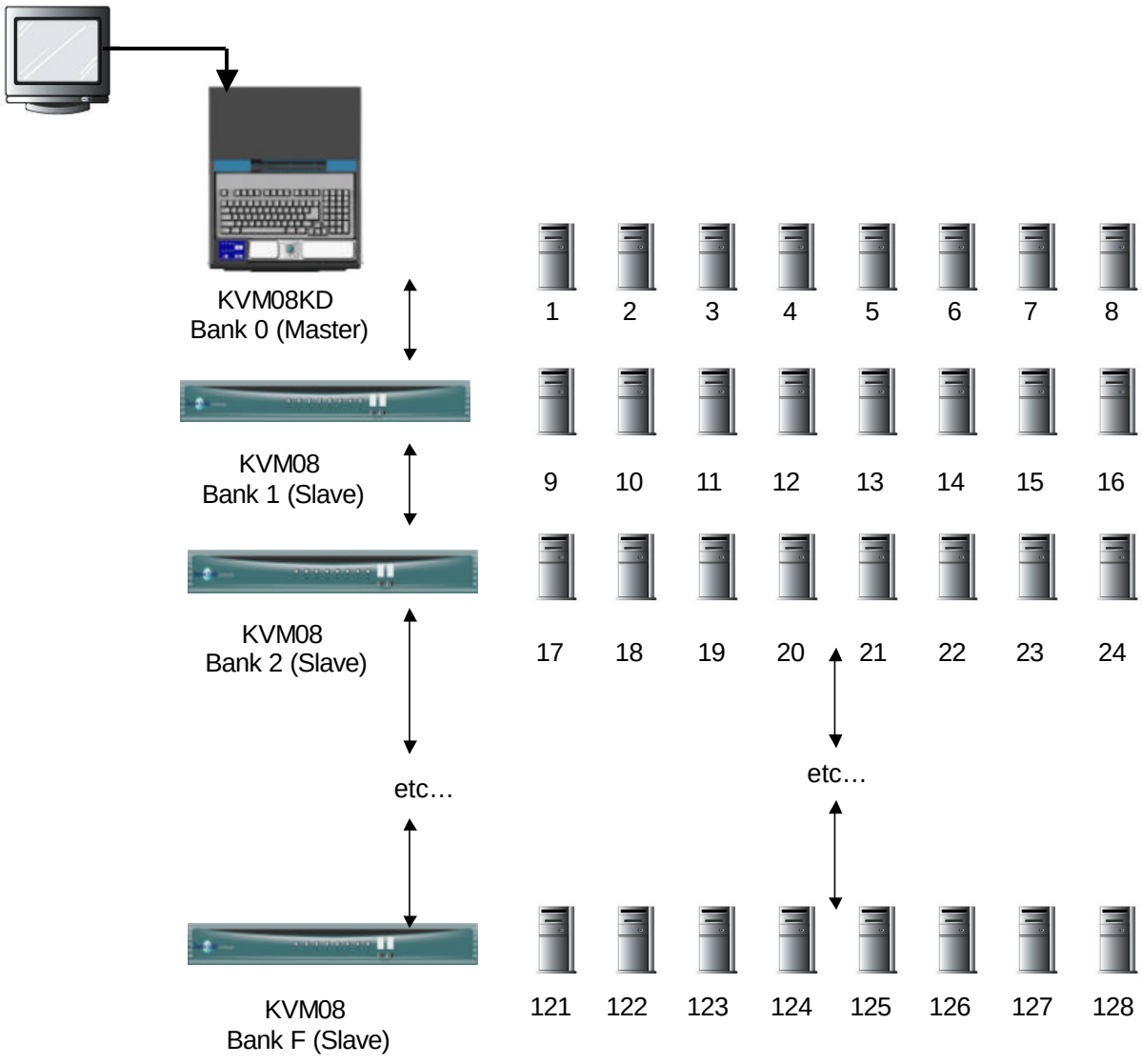
1. In order to reduce the annoyance in using, we strongly suggest the users to install the mouse driver (as attached in the box) previously before they prepare to connect to each PC port of KVM08KD. And then follow the installation steps as above, KVM08KD will work successfully.
2. Avoid pressing any keys on the keyboard or moving the mouse is the currently selected port has a computer that is in the process of booting up. This may cause the computer to not detect, or initialize the keyboard or mouse drivers properly.

3. SINGLE UNIT OR DAISY-CHAIN OPERATION

KVM08KD has the capability to be Daisy-Chained with 15 more KVM08 units (for a total of 16), giving the user control over a maximum of 128 computers.

Each KVM08KD or KVM08 unit is defined as a "**BANK"**. See the following diagram for more information. BANK numbers range from 0 to F (Hexadecimal), for a total of 16 banks. BANK 0 is the **MASTER** bank while BANK 1 through F are **SLAVE** banks. The MASTER bank is the KVM08KD unit because it has keyboard, mouse build in and monitor attached.

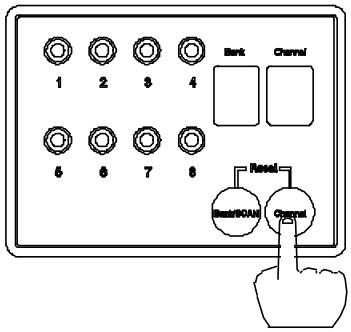
The DIP-switch on the rear panel of KVM08 must be set correctly for proper identification and usage. See the next section for the actual settings. **The KVM08 is to be used as a SLAVE unit, then it must be set to any unused unique bank number from 1 through F.**



CHAPTER 3.

OPERATION

Selecting which computer to operate can be done either by On-Screen Display, the select button, or through keyboard "Hot Key" commands. You will notice that after the KVM08KD switches to another computer, the mouse will be inoperative for about 1-2 seconds. This is normal operation and ensures that proper mouse synchronization is established.



Pressing the "Select" button cycles you through all the ports, including inactive ports.

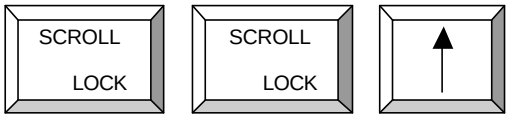
1 → 2 → 3 → 4 → 5 → 6 → 7 → 8

Pressing the "AUTO" button cycles all active ports automatically.

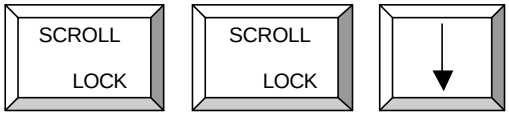
You can reset KVM08KD to re-detect active ports by simultaneously pressing ATUO and SELECT buttons on the front panel.

Keyboard "Hot Key" Commands

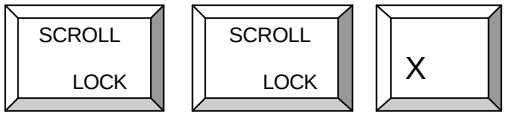
You can also conveniently command the KVM08KD to switch ports (channel) through simple keyboard key sequences. To send commands to the KVM08KD, the SCROLL LOCK key must be pressed twice within 2 seconds. You will hear a beep for confirmation. Below are the different commands.



Switch to Previous Active port

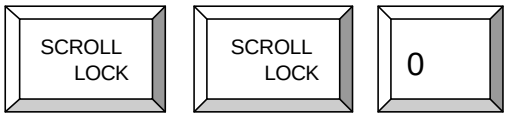


Switch to Next Active port



Directly switches to port X
X=1 to 8

AutoScan Mode



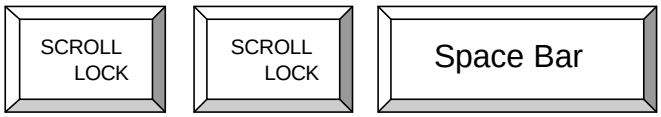
Enable AutoScan mode

In AutoScan mode, KVM08KD remains on one channel for a number of seconds, before switching to the next. This time interval is set in the On-Screen Display menu.

NOTE: There is no mouse or keyboard control in this mode. This is necessary to prevent errors. Otherwise, if the user is moving the mouse or using the keyboard when KVM08KD switches to the next channel, data flow is interrupted and will cause erratic mouse movement and / or the wrong characters to show up when using the keyboard.

To get out of AutoScan mode, press any key.

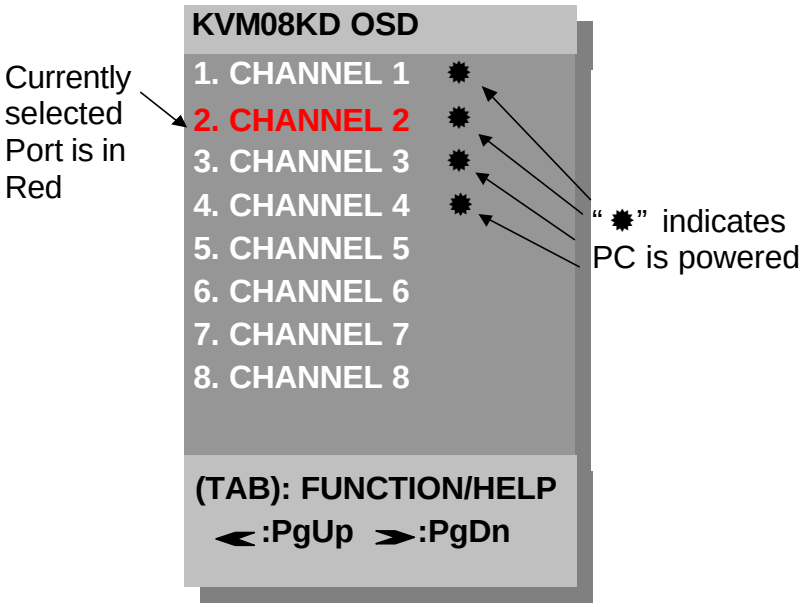
Channel On-Screen Display Menu Control



Enable On-Screen Display Menu

To get into the On-Screen Display (OSD) menu, press SCROLL LOCK, SCROLL LOCK, SPACE BAR. Immediately, the OSD overlay screen appears. This screen is generated by the KVM08KD, and does not affect your computers or running software in any way.

The main OSD screen menu is shown on the right.



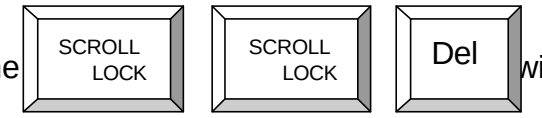
The current selected port is shown in RED.

A "✹" indicates that the computer connected to that port is powered up.

- You can navigate through the active ports by using the arrow keys. The OSD menu will only allow you to move to active ports.

NOTE: If a computer is connected and is powered up, but the OSD menu does not display a "✸", you will have to RESET the KVM08KD to re-detected the powered computers. This is done by simultaneously pressing the AUTO and SELECT buttons on the front panel.

- Pressing the INSERT key allows you to rename the port. Press ENTER to complete.

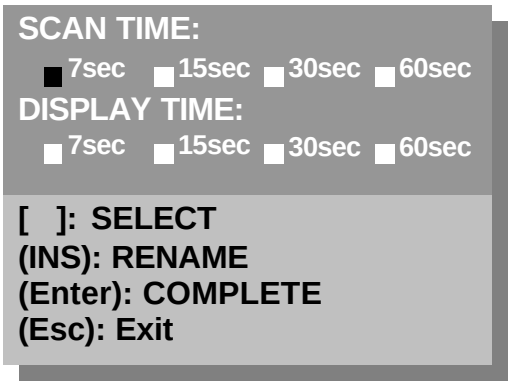
NOTE: Inadvertently pressing the 

will erase any given names on the OSD menu and restore its initial settings.

- Pressing the ESC key exits the current screen.
- Once you have selected a computer on the menu, press ENTER to switch to that port.
- Pressing the TAB key opens up the Function menu. In this menu, you can select the SCAN TIME and DISPLAY TIME.

SCAN TIME:
Amount of time the KVM08KD stays one port before switching to the next port when in Scan Mode

DISPLAY TIME:
Amount of time the OSD Menu or Port Name remains displayed on-screen after making a port selection



When requesting RMA service, please fill out this **"RMA Service Request Form"**.
Without this form your RMA will be REJECTED!!!

RMA No:	Reasons to Return: ☐ Repair(Please include failure details) ☐ Testing Purpose
Company:	Contact Person:
Phone No.	Purchased Date:
Fax No.:	Applied Date:
Return Shipping Address:_____	
Shipping by: ☐Air Freight ☐Sea ☐Express :_____	☐Others:_____

Item	Model Name	**Serial Number**	**Configuration**

Item	Problem Code	**Failure Status**

*__Problem Code__:

01:D.O.A.	07: BIOS Problem	13: SCSI	19: DIO
02: Second Time R.M.A.	08: Keyboard Controller Fail	14: LPT Port	20: Buzzer
03: CMOS Data Lost	09: Cache RMA Problem	15: PS2	21: Shut Down
04: FDC Fail	10: Memory Socket Bad	16: LAN	22: Panel Fail
05: HDC Fail	11: Hang Up Software	17: COM Port	23: CRT Fail
06: Bad Slot	12: Out Look Damage	18: Watchdog Timer	24: Others (Pls specify)

Request Party ***Confirmed By Supplier***

Authorized Signatures / Date **Authorized Signatures / Date**